

CLAIM AMENDMENTS:

Claim 1 (Canceled).

Claim 2 (Currently Amended): ~~A~~The stone slicer of claim 1, comprising:

a base on which a stone is placed;

four columns vertically installed at four respective edges of the base;

a pair of platforms respectively installed on a left side and a right side of said base, and being adapted to simultaneously move up and down the columns, each platform having at least one of a driving pulley and a driven pulley;

platform driving means for moving the platforms up and down;

at least one endless belt saw having opposite ends, one of the ends being engaged with a driving pulley of one of the platforms, and another one of the ends being engaged with a driven pulley of another one of the platforms; and

belt saw driving means for driving the belt saw to slice the stone placed on the base to a predetermined thickness, by rotating the driving pulley to thereby cause the belt saw to rotate along an endless track, wherein the belt saw driving means comprising (80) comprises:

a driving motor (81);

a helical gear (83) connected to the driving motor, and horizontally extending in a direction from a rear of the one of the platforms to a front of the one of the platforms; (81) and

a power transmission means (82) including a driven belt or a chain coupled to said driving motor and said helical gear to be driven and horizontally elongated in the front and rear directions of the platform (30); and

a vertical gears (84) geared to into the left and right of the helical gear, the (83); and driving pulleys (50) being axially aligned and connected to the vertical gears (84).

Claim 3 (Currently Amended): The stone slicer of claim 2, further comprising wherein each pairs of auxiliary pulleys (85, 86) are respectively installed in a region of the driving pulleys (50) and the driven pulleys (60), thereby adjusting an interval between the belt saws 70 and imparting tension to the belt saws (70).

Claim 4 (Currently Amended): The A stone slicer of claim 1, comprising:
a base on which a stone is placed;
an upper plate disposed over said base;
four columns vertically installed at four respective edges of the base;
a pair of platforms respectively installed on a left side and a right side of said base, and being adapted to simultaneously move up and down the columns, each platform having at least one of a driving pulley and a driven pulley, said platforms being threadedly engaged with the columns;
platform driving means for moving the platforms up and down;

at least one endless belt saw having opposite ends, one of the ends being engaged with a driving pulley of one of the platforms, and another one of the ends being engaged with a driven pulley of another one of the platforms; and belt saw driving means for driving the belt saw to slice the stone placed on the base to a predetermined thickness, by rotating the driving pulley to thereby cause the belt saw to rotate along an endless track;

wherein the platform driving means ~~(40, 40')~~ for elevating the platforms (30, 30') include

synchronized driving motors (42, 42') respectively installed at either side of a left side and a right side of the upper plate 10' left and right, and which rotate forward and backward at a constant speed,

sprockets respectively (22', 24', 26', 28') installed at the upper ends of the columns ~~(22, 24, 26, 28)~~, and

chains respectively (44, 44') installed between two of the columns ~~(22, 24)~~ and one of the driving motors, ~~(42)~~ and between another two of the columns ~~(26, 28)~~ and the another one of the driving motors ~~(42')~~, whereby the driving motors cause the columns to 22, 24, 26, 28 rotate so that and then the platforms, which are 30, 30' threaded with the columns, are moved up or down 22, 24, 26, 28 elevate accordingly as the driving motors 42, 42' of either side are synchronized and rotate forward and backward at a constant speed.